

# GAGAN KUMAR S

Bangalore, India  
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SOFTWARE ENGINEER – BACKEND DEVELOPER

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## EMPLOYMENT

**Specialist Programmer** **INFOSYS Ltd.** **Sept 2020 – Sept 2023**

- Developed a dynamic application framework, capable of configuring data processing and visualisation widgets. Designed dynamic components that reduced backlogs by 70%, increasing user configurability.
- **Reliability** - Spearheaded development of a critical data pipeline that processes 2.5M+ records daily, with availability rate of 99.9%.
- **Improved** the data processing system to be more efficient and robust, using Kafka queueing and streaming of data over GRPC, making the system resilient to peak demand periods
- **Optimized** data caching strategy with Redis in backend, contributing to 30% relief on resource utilization.
- **Global Success** – Application now caters to 10+ global clients and manages tens-of-thousands of users monthly, successfully achieving a 95% customer satisfaction rate.
- **TOP 1%** - Part of the most aspired track within the organisation, [Power Programmers @ Infosys](#)
- Supervised group of 5 juniors and assisted them to build up to the project requirements, contributing to the growth within the organization.

**Software Engineer, Intern** **V2Soft Ltd.** **Jul 2019 – Sep 2019**

- Developed an E2E automated testing tool suite using Selenium, Python, reducing testing time by 50%.
- Led a 6-member team in the successful execution of the project, surpassing management's expectations.

**Junior Programmer Intern** **Tequed Labs** **Jun 2018 – Aug 2018**

- Collaborated with their R&D Team to release a significant feature within 3 months.
- Received a certificate of excellence and award for best performance during the internship period.

## SKILLS

- |               |                   |                   |                       |
|---------------|-------------------|-------------------|-----------------------|
| ✓ Python      | ✓ Kafka           | ✓ MySQL Database  | ✓ Integration Testing |
| ✓ Java        | ✓ gRPC            | ✓ Systems Design  | ✓ Contract Testing    |
| ✓ Spring boot | ✓ REST APIs       | ✓ Problem Solving | ✓ End to End Testing  |
| ✓ Algorithms  | ✓ Data Structures |                   |                       |

## PROJECTS

- **Ghost Car** (2020). Fully functional model of a Level 4 Autonomous Car. OpenCV, ML, Raspberry Pi. [Details](#)
- **ITMS** (2019). Traffic management solution with dynamic traffic density sensing, emergency vehicle clearance and auto toll collection.
- **AgriCloud** (2018). IoT based solution to track agricultural soil and water metrics. Presented and won at several hackathons. Arduino, Data Analysis, Java [Details](#)

## EDUCATION

**Masters of Science in CS** **Scaler Neovarsity** **2024 - Present**

- Currently pursuing a remote advanced program in Computer Science accredited by [EHEA](#).
- Achieving a qualification with [EQF Level 7](#) accreditation and earning a total of 90 ECTS credits.

**Bachelor of Engineering in CS** **SJB Institute of Technology** **2016 - 2020**

- Graduated successfully with First Class with Distinction scores under VTU

## ACHIEVEMENTS

- Solved 1,000+ competitive coding problems and earned 16 badges on platform [Leetcode](#) and [Scaler](#).
- Secured third-place position in a 24-hour state level hackathon.
- Presented at a State Level Mentoring Session for Building PoCs, organized by Innovation Cell Ministry of HRD, Govt. of India.
- Authored multiple research papers, including a publication on autonomous vehicles featured in the International Journal of Engineering and Applied Science and Technology ([IJEAST Vol.5 Issue 3](#))